

ULTRATUF™ SP-7010

Polycarbonate

Spartech Plastics

Message:

Ultra Tuf polycarbonate sheet offers the outstanding toughness, high heat deflection, and excellent dimensional stability required in demanding engineering thermoplastic applications. Available in standard as well as optical grade, Ultra Tuf is ideal for displays, signs, architectural glazing, and the automotive aftermarket.

General Information			
Features	Good dimensional stability		
	Heat resistance, high		
	Good toughness		
Uses	Displays		
	Application in Automobile Field		
	Assembled glass		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.1	MPa	ASTM D638
Flexural Modulus	2150	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	850	J/m	ASTM D256
Instrumented Dart Impact (23°C)	67.8	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	132	°C	ASTM D648
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value		Test Method
Gardner Gloss	90		ASTM D523

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